

Human ENaC alpha (aa 20-42) Synthetic Peptide

Product Details	
Size	50 µg
Species Reactivity	Human
Published Species	Rat
Host/Isotype	Artificial Control
Class	Synthetic
Type	Peptide
Conjugate	Unconjugated
Form	Lyophilized
Concentration	0.5 mg/mL
Purification	purified
Contains	no preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Control (Ctrl)	Assay-dependent	-

Product Specific Information

PEP-088 is a 24 amino acid synthetic peptide whose sequence corresponds to residues 20-42 of human alpha-ENaC with a carboxy-terminal cysteine added for carrier protein conjugation. The sequence of this peptide is (amino to carboxy terminus): L (20)-M-K-G-N-K-R-E-E-Q-G-L-G-P-E-P-A-A-Q-Q-P-T (42)-C.

This peptide may be used for neutralization and control experiments with the polyclonal antibody that reacts with this product and endogenous alpha-ENaC, catalog # PA1-920A. Using a solution of peptide of equal volume and concentration to the corresponding antibody will yield a large molar excess of peptide (~70-fold) for competitive inhibition of antibody-protein binding reactions.

Reconstitute with 0.1 mL of distilled water.

Western Blot (1)

The Journal of biological chemistry		Year
The carboxyl terminus of the alpha-subunit of the amiloride-sensitive epithelial sodium channel binds to F-actin.		2006
"PEP-088 was used in western blot to study the interaction of amiloride-sensitive epithelial sodium channel and F-actin"		Species
Authors: Mazzochi C,Bubien JK,Smith PR,Benos DJ		Rat
		Dilution
		2 µg/mL

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